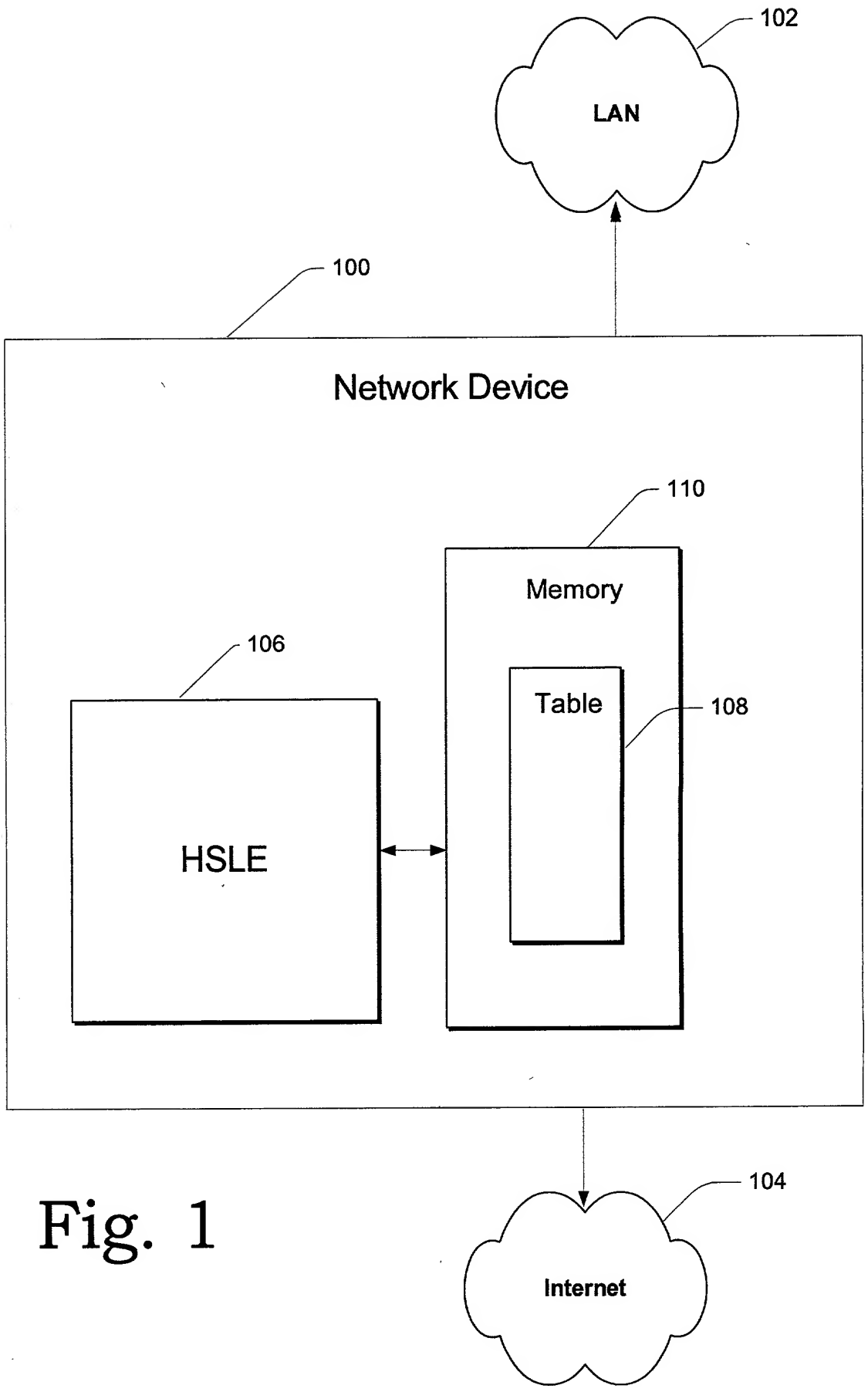

102
LAN
100
Network Device
110
Memory
106
Table
108
HSLE
104
Internet

Fig. 1

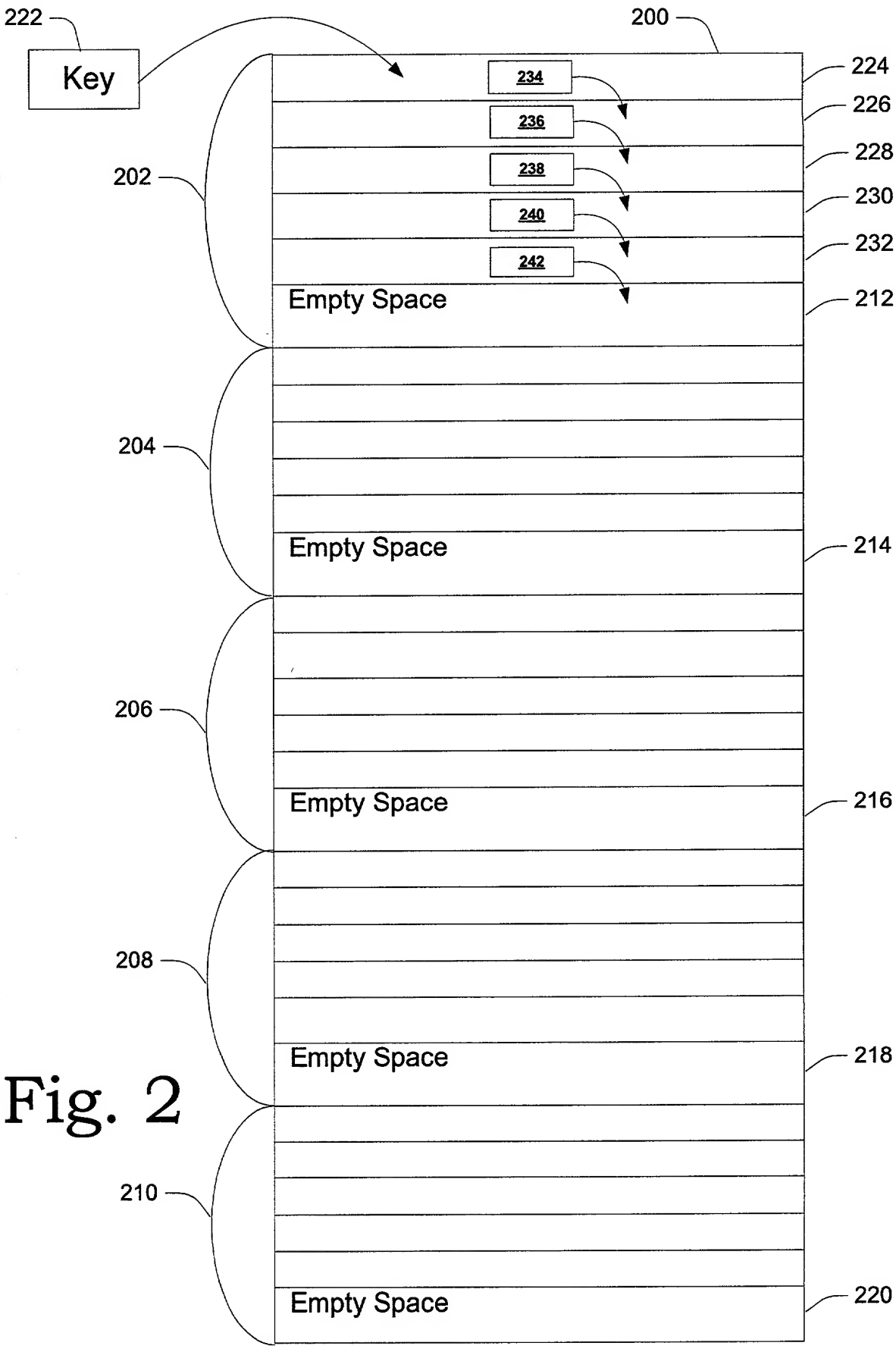

222
Key
200
234
236
238
240
242
224
226
228
230
232
202
Empty Space
212
204
Empty Space
214
206
Empty Space
216
208
Empty Space
218
210
Empty Space
220

Fig. 2

20050220455004

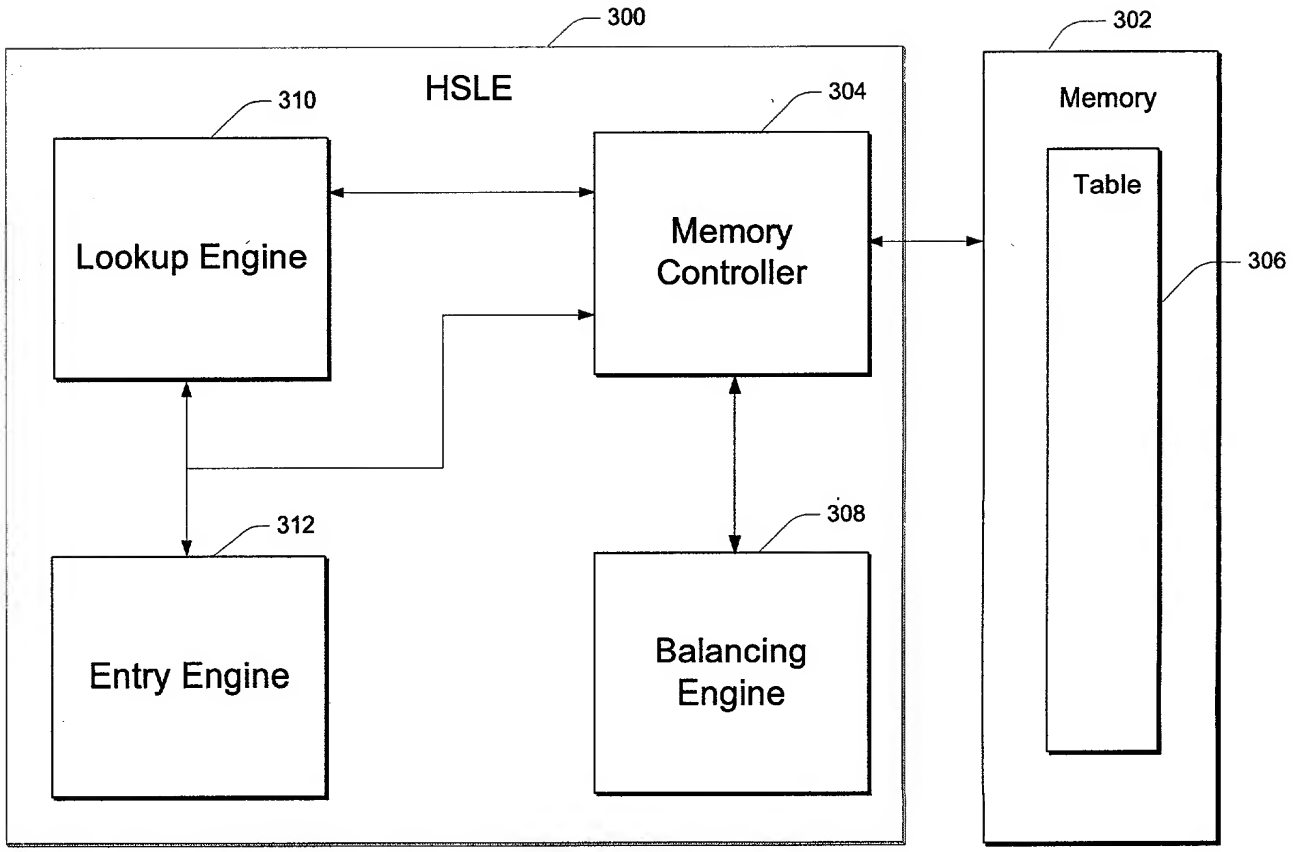


Fig. 3

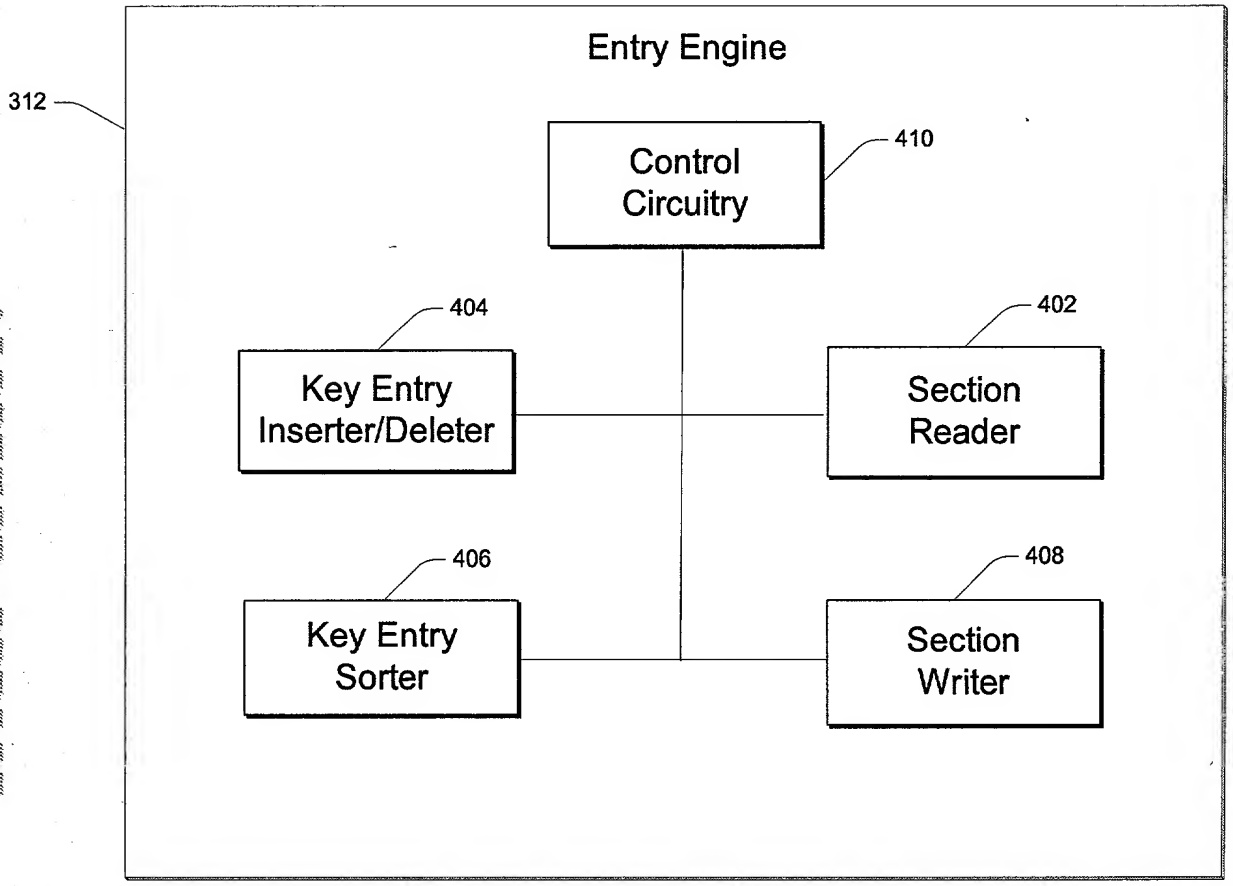

Entry Engine
312
Control Circuitry
410
Key Entry Inserter/Deleter
404
Section Reader
402
Key Entry Sorter
406
Section Writer
408

Fig. 4

US 2005/0235702 A1

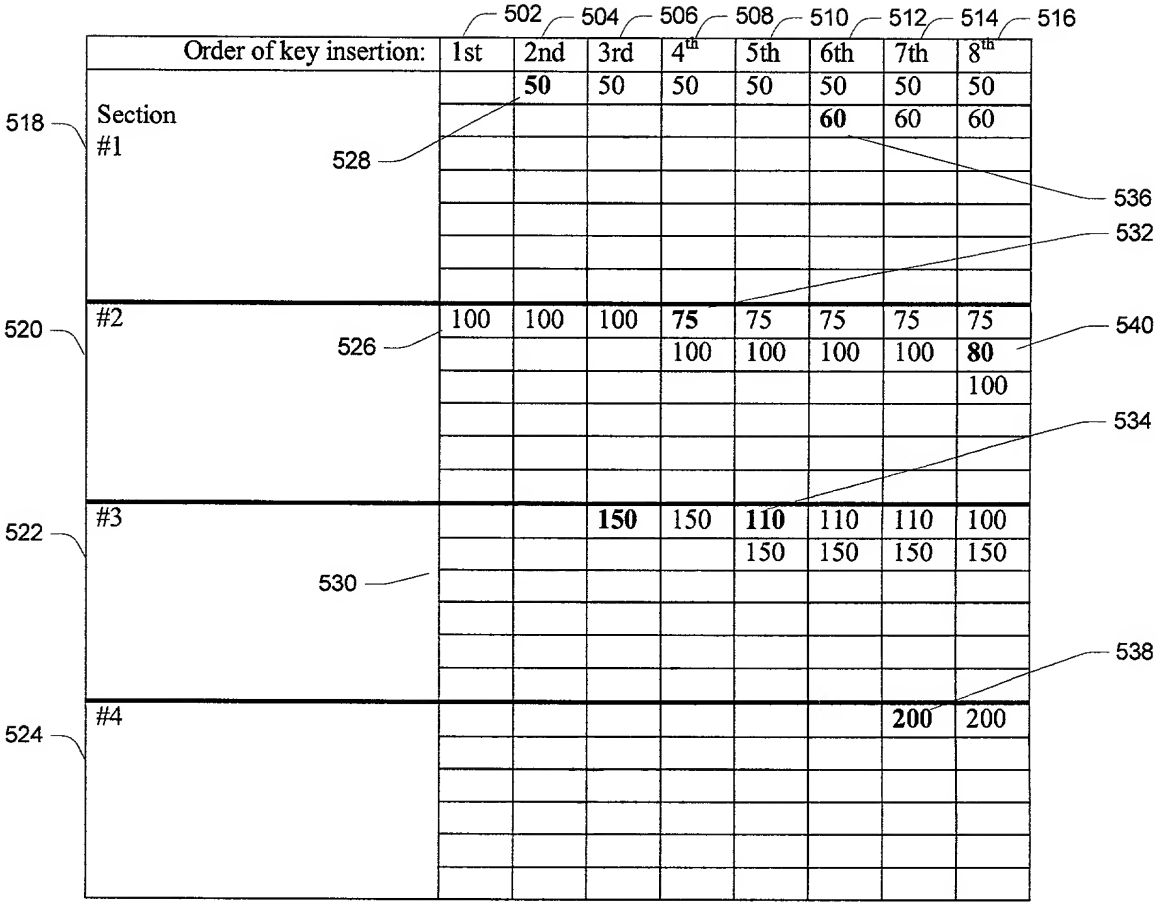


Fig. 5

20050220-55508047

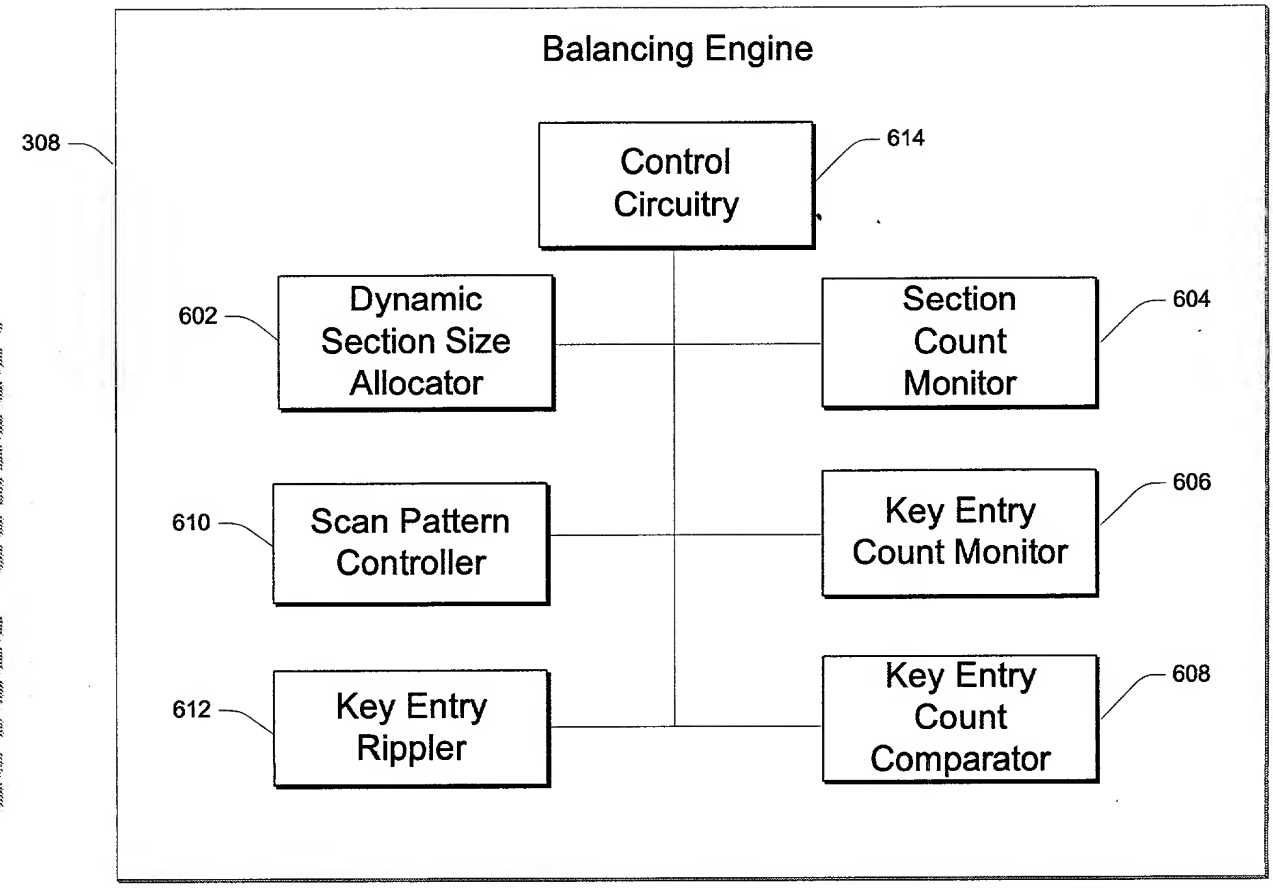
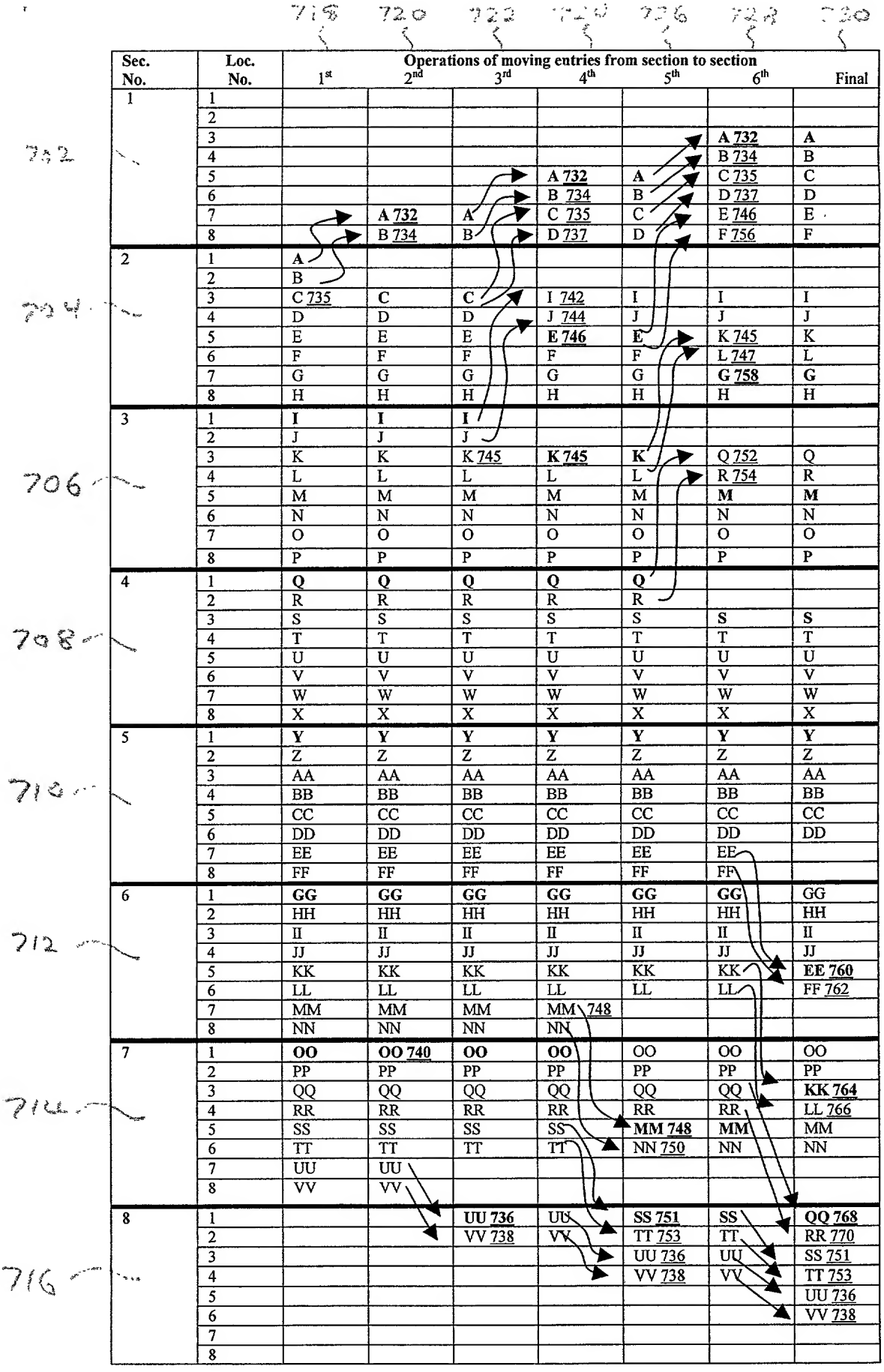


Fig. 6



Sec. No.	Loc. No.	Operations of moving entries from section to section 1st	2nd	3rd	4th	5th	6th	Final
1	1							
	2							
	3						A 732	A
	4						B 734	B
	5				A 732	A	C 735	C
	6				B 734	B	D 737	D
	7		A 732	A	C 735	C	E 746	E
	8		B 734	B	D 737	D	F 756	F
2	1	A						
	2	B						
	3	C 735	C	C	I 742	I	I	I
	4	D	D	D	J 744	J	J	J
	5	E	E	E	E 746	E	K 745	K
	6	F	F	F	F	F	L 747	L
	7	G	G	G	G	G	G 758	G
	8	H	H	H	H	H	H	H
3	1	I	I	I				
	2	J	J	J				
	3	K	K	K 745	K 745	K	Q 752	Q
	4	L	L	L	L	L	R 754	R
	5	M	M	M	M	M	M	M
	6	N	N	N	N	N	N	N
	7	O	O	O	O	O	O	O
	8	P	P	P	P	P	P	P
4	1	Q	Q	Q	Q	Q		
	2	R	R	R	R	R		
	3	S	S	S	S	S	S	S
	4	T	T	T	T	T	T	T
	5	U	U	U	U	U	U	U
	6	V	V	V	V	V	V	V
	7	W	W	W	W	W	W	W
	8	X	X	X	X	X	X	X
5	1	Y	Y	Y	Y	Y	Y	Y
	2	Z	Z	Z	Z	Z	Z	Z
	3	AA	AA	AA	AA	AA	AA	AA
	4	BB	BB	BB	BB	BB	BB	BB
	5	CC	CC	CC	CC	CC	CC	CC
	6	DD	DD	DD	DD	DD	DD	DD
	7	EE	EE	EE	EE	EE	EE	
	8	FF	FF	FF	FF	FF	FF	
6	1	GG	GG	GG	GG	GG	GG	GG
	2	HH	HH	HH	HH	HH	HH	HH
	3	II	II	II	II	II	II	II
	4	JJ	JJ	JJ	JJ	JJ	JJ	JJ
	5	KK	KK	KK	KK	KK	KK	EE 760
	6	LL	LL	LL	LL	LL	LL	FF 762
	7	MM	MM	MM	MM 748			
	8	NN	NN	NN	NN			
7	1	OO	OO 740	OO	OO	OO	OO	OO
	2	PP	PP	PP	PP	PP	PP	PP
	3	QQ	QQ	QQ	QQ	QQ	QQ	KK 764
	4	RR	RR	RR	RR	RR	RR	LL 766
	5	SS	SS	SS	SS	MM 748	MM	MM
	6	TT	TT	TT	TT	NN 750	NN	NN
	7	UU	UU					
	8	VV	VV					
8	1			UU 736	UU	SS 751	SS	QQ 768
	2			VV 738	VV	TT 753	TT	RR 770
	3					UU 736	UU	SS 751
	4					VV 738	VV	TT 753
	5							UU 736
	6							VV 738
	7							
	8							

FIG. 7

20050228.0220.3455900

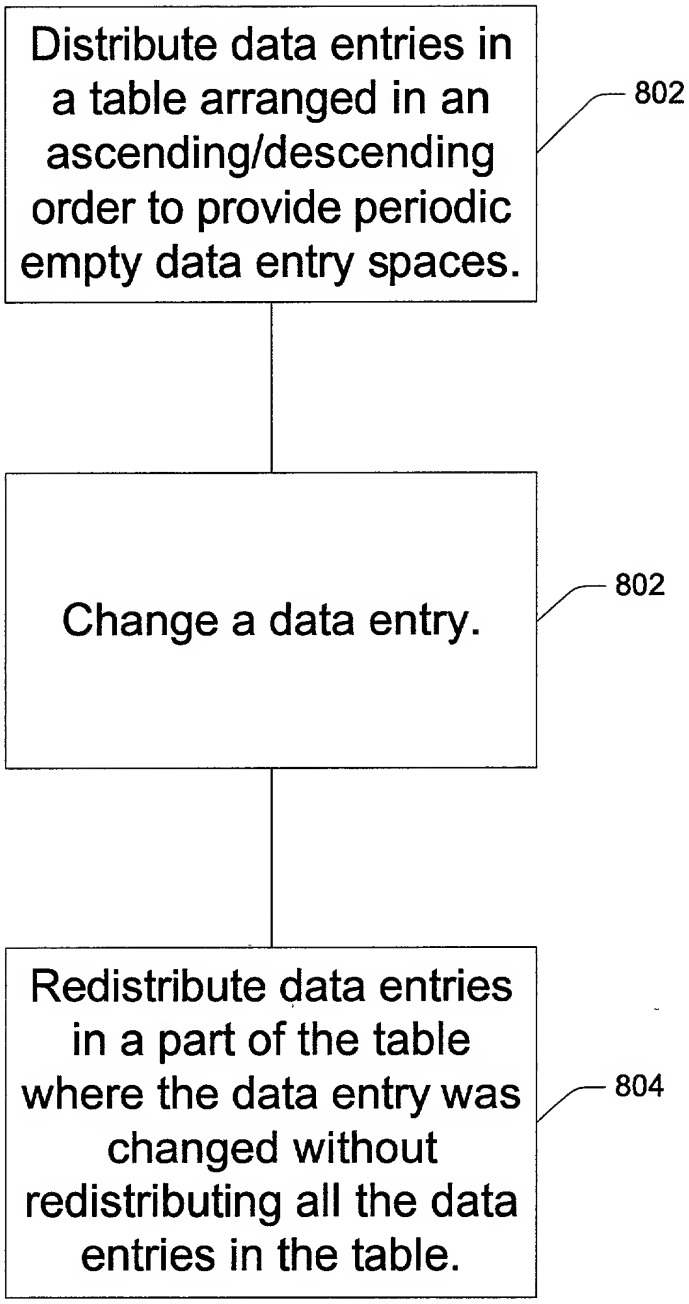


Fig. 8

EDGE-25560

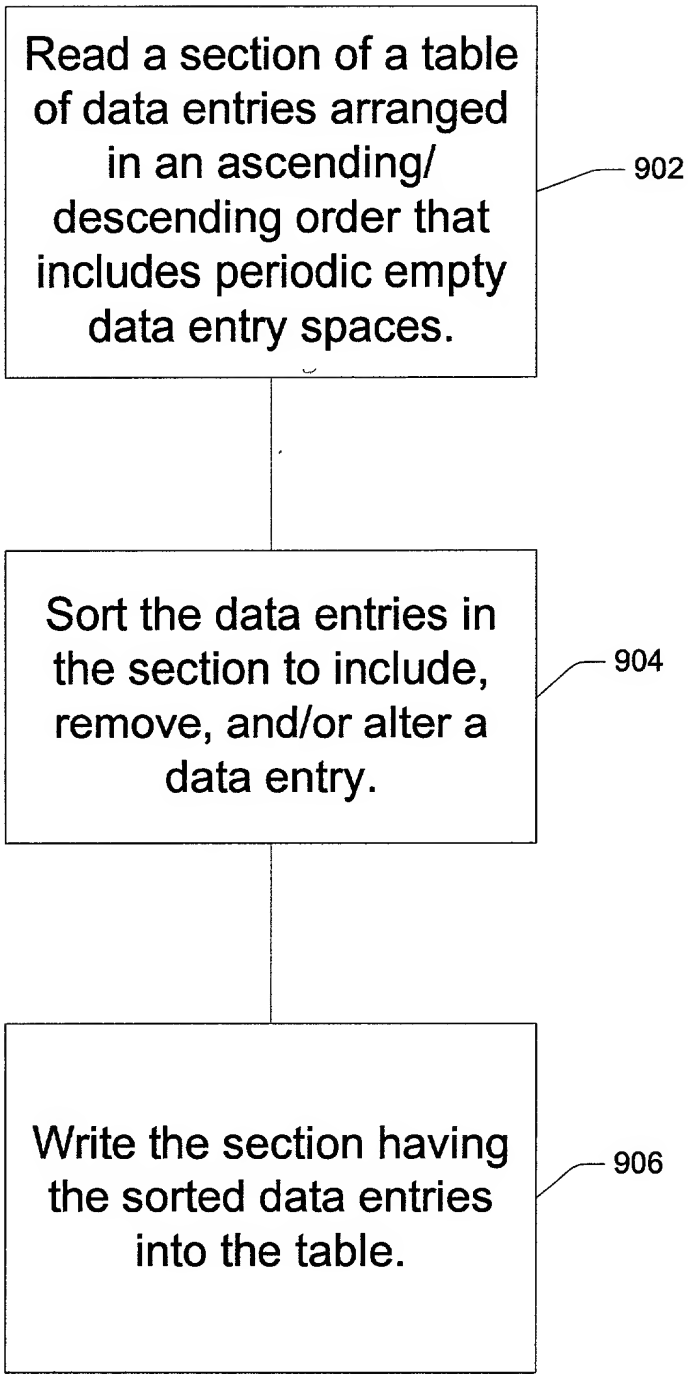


Fig. 9

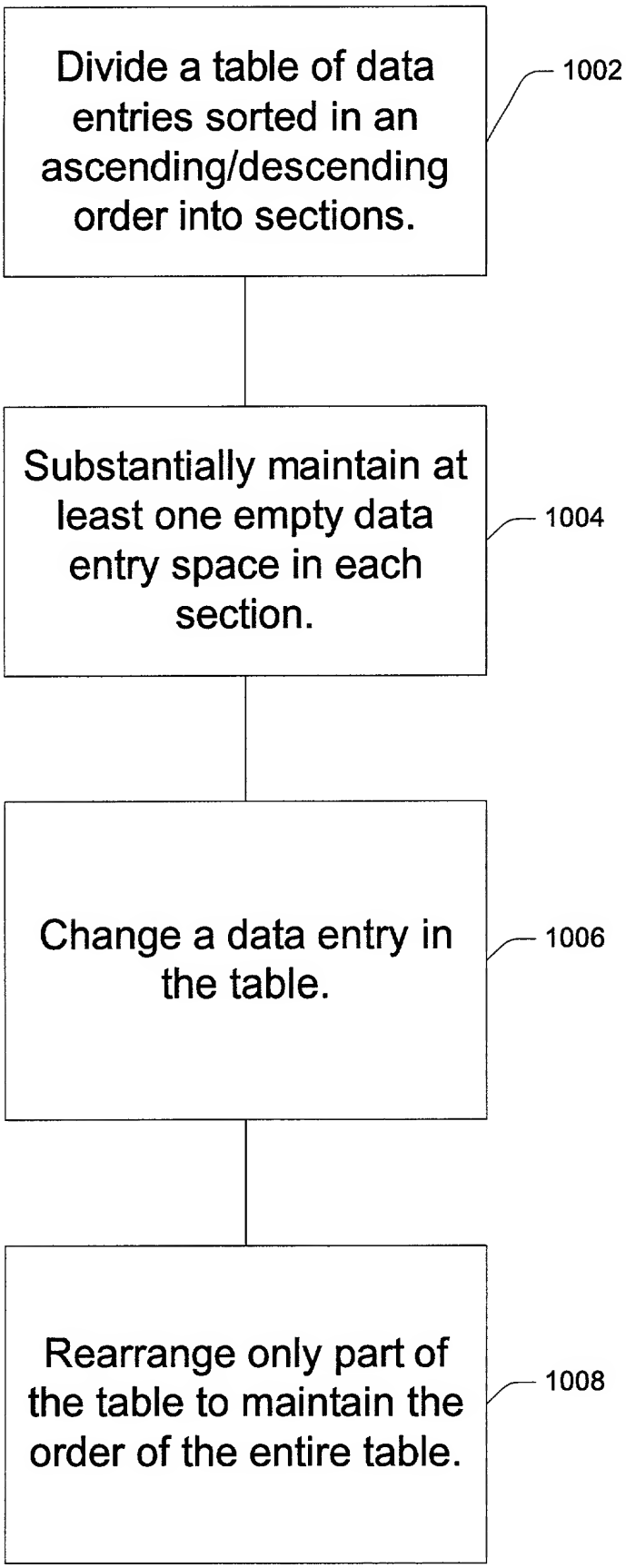


Fig. 10

Google Exhibit 1006

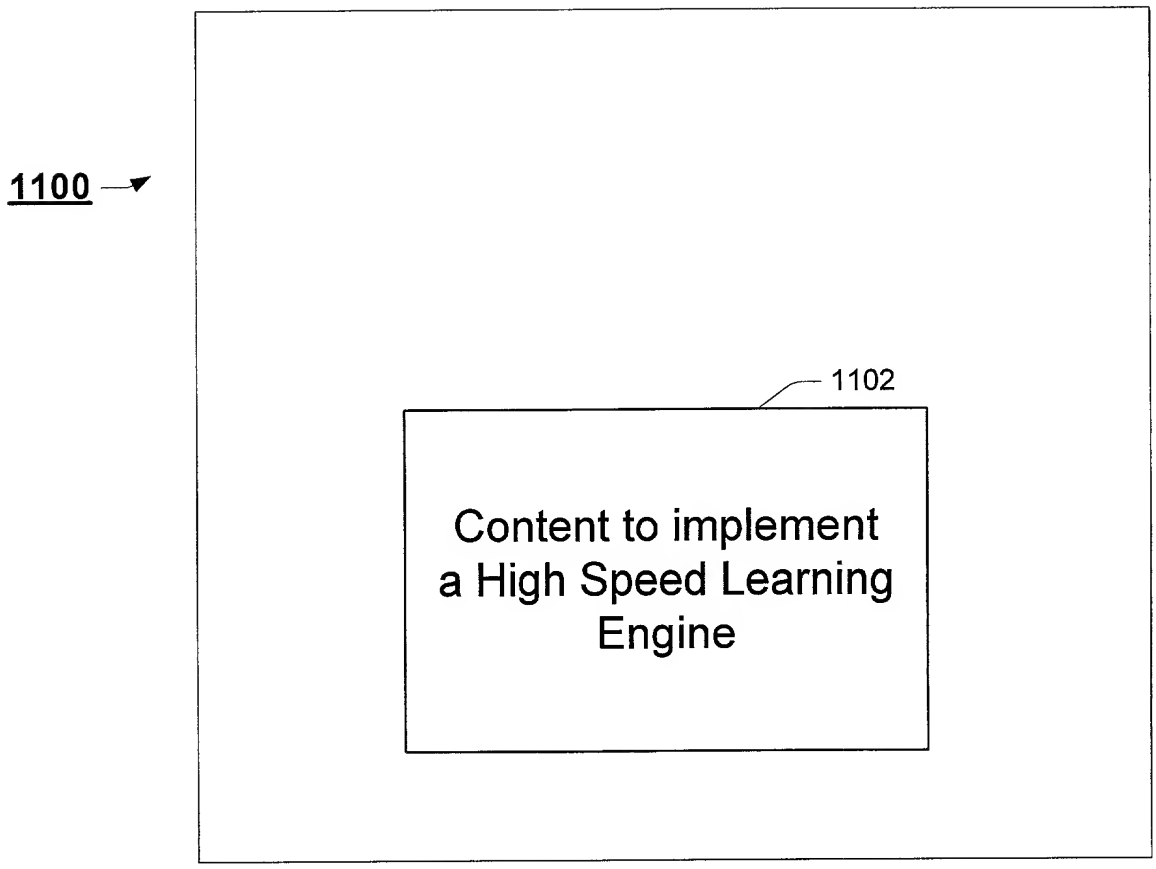


Fig. 11

2005-0256-001 Application Serial No.